

June 2003

NORTHERN COMMAND

# SAFESTAT REPORT

*Nevada Highway Patrol*

Major Robert Wideman

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## CRASH ANALYSIS AND OVERVIEW

	June 2003		June 2002	% Change		May 2003	% Change
Total Crashes	344		375	-8.3%		325	5.8%
Property Crashes [including commercial vehicles]	231		267	-13.5%		211	9.5%
Injury Crashes [including commercial vehicles]	111		103	7.8%		108	2.8%
Fatal Crashes [including commercial vehicles]	2		5	-60.0%		6	-66.7%
DUI Crashes [DUI charged]	11		17	-35.3%		15	-26.7%
Total persons killed in fatal crashes	2		6	-66.7%		6	-66.7%
Total drivers killed without seatbelts	1		2	-50%		4	-75%
Total passengers killed without seatbelts	0		1	-100%		1	-100%
Total drivers killed with seatbelts	1		3	-66.7%		1	0%
Total passengers killed with seatbelts	0		0	0%		0	0%
Total number of commercial vehicle crashes	2		11	-81.8%		3	-33.3%
Property crashes involving commercial vehicle	2		6	-66.7%		2	0%
Injury crashes involving commercial vehicle	0		3	-300%		1	-100%
Fatal crashes involving commercial vehicle	0		2	-200%		0	0%

Percentage of fatal crashes to total crashes 0.6%

Percentage of DUI crashes to total crashes 3.2%

Percentage of persons killed *without* seatbelts to total persons killed 50%

Percentage of commercial vehicle crashes to total crashes 0.6%

### Analysis:

*Property damage crashes are up 9.5% over the previous month and down 13.5% from the previous year. Injury crashes are up 2.8% from the previous month and up 7.8% from the previous year. Fatal crashes are down 66.7% from last month and down 60% compared to last year.*

## FIELD ENFORCEMENT ACTIVITY

[Analysis and review of current reporting period, versus same period in previous fiscal year, versus previous reporting period]

	June 2003		June 2002	% Change		May 2003	% Change
DUI arrests from crashes	11		17	-35.3%		15	-26.7%
DUI arrests <i>prior</i> to crashes	92		118	-22.0%		141	-34.8%
Other Arrests	392		468	-16.2%		499	-21.4%
Total Persons Arrested (DUI included)	163		209	-22.0%		244	-33.2%
Speed violations	2398		2285	4.9%		2255	6.3%
Hazardous moving violations	910		721	26.2%		984	-7.5%
Occupant restraint violations *	389		282	37.9%		676	-42.5%
Total violations ** [above violations included]	5707		4981	14.6%		7244	-21.2%
Hazardous moving violations-citations/arrests	8		8	0%		9	-11.1%
Other traffic violations-citations/arrests	41		51	-19.6%		29	41.4%
Total safety inspections [Lvls 1,2,3&6]	485		311	55.9%		371	30.7%
Terminal inspections TIP (Lvl 5)							
Total safety violations -- citation	332		275	20.7%		248	33.9%
Total safety violations -- repair order	909		1081	-15.9%		585	55.4%
Total vehicles placed "Out of Service"	101		133	-24.1%		40	152.5%
Total drivers placed "Out of Service"	43		31	38.7%		15	186.7%
Total school buses inspected	13		69	-81.2%		121	-89.3%
Total school buses placed "Out of Service"	3		11	-72.7%		21	-85.7%
Total trucks weighed	498		272	83.1%		427	16.6%
Total overweight citations	27		29	-6.9%		22	22.7%
Total dyed fuel inspections	219					193	13.5%
Total dyed fuel citations	1					0	100%

\* Seat belt and child restraint

\*\*Total violations includes Speed, Hazardous, Occupant restraint, Registration, Drivers License, Insurance and Other Categories.

### Analysis:

#### Northern Command:

The speed enforcement index increased 6.3% from last month and is up 4.9% from this month last year, while the hazardous moving enforcement index decreased 7.5% from last month but is up 26.2% from last year. Total violations decreased 21.2% from last month but they have increased 14.6% from this month last year.

The month of June showed a dramatic increase in the amount of Annual Leave taken by our officers due to the start of the vacation season this increase was 49.5% or 443.7 hours (143.1% in the Reno Urban area).

*Some of the regions high activity officers were among the officers on leave. An analysis of our staffing and work hours showed that we had a reduction of available officers from 68 to 66. This reduction in conjunction with the increased leave left us with an effective decrease to 63 officers. This is a reduction of 7.4% of our working staff.*

*This does not account for the all of the drop in activity but when you take into account the increase in crashes and the reduced staff to handle those occurrences that logically leaves less time for pro active enforcement.*

### ***Reno Urban***

*This month the men and women of the Reno Urban Traffic worked very hard in encouraging voluntary compliance, with programs such as the “Bowl Patrol”, “Ramp” and “Turn Signal” enforcement. These programs also are proving to be good enforcement tools when enforcement must be taken.*

*As a result of the hard work overall crash rate in the Reno Urban area dropped again this month by 5.8% from last month. Property damage crashes dropped 3.2%, injury crashes dropped 11.1% and fatal crashes were unchanged at 1 occurrence.*

*Occupant restraint violations are still a high priority in our enforcement. The use of occupant restraints has the highest effect on the severity of injuries sustained by occupants in a crash. Due to the increased enforcement of occupant restraints our enforcement rate has increased 55.3% over the same month last year.*

*The month of June starts the vacation season as can be seen in the drastic increase in the use of Annual Leave increasing from 304 hours to 740 hours, this is an increase of 143.1%. The on-view patrol time also decreased more than 80 hours.*

*Overtime showed a drastic reduction as well. It dropped from 1175 hours in May to 930 hours in June a drop of 20.8%. The same month last year 1322 hours of overtime was claimed. This shows a reduction of 29.7% when comparing this year to last.*

*The speed enforcement index dropped 4.1% from last month but is up 34.5% from the same month last year, while the hazardous moving enforcement index decreased 4.9% from last month but is up 63.8% from last year. Total violations decreased 29.5% from last month but they are up 42.0% from this month last year.*

*The statistics presented above show an impressive increase over the same month last year. We do show a decrease from last month’s numbers. The activity overall did drop in some of the categories, this drop on its face could cause concern but when you take all circumstances into account the drop is explainable. The month of June showed a decrease in “Total Hours Worked” from 5131 hours in May to 4436 hours in June (695 hours). This is a decrease of 13.5% in available manpower for the generation of activity.*

*We continue to utilize the radar trailer in and near the “Spaghetti Bowl” construction zone in an effort to acquire voluntary compliance with the posted speed zones within the construction zone. We have started to utilize the portable sign board in conjunction with the Directed Enforcement assignments to work areas of known high speed violations. These areas are the Pyramid Highway and the Pleasant Valley areas. This program although new is showing great success and will be monitored for future expansion if it proves successful.*

## **Commercial**

*All of the Commercial activity was up for the month of June. Even though there was an increase of hours worked over last month of 17%, we had an increase of activity in all categories greater than 17%. The only negative number compared to last month was in hazardous moving violations (-11%) but this was only the difference between 8 and 9 violations. As compared to June of 2002, there are strong negative numbers in areas that are not within our control. Safety violations and out of service vehicles are numbers driven by the condition of the vehicle being inspected some vehicles have more violations than others. The indicator of the work performance is in the total number of inspection. We are up 55% over June of last year. Being down in school buses from June of 2002 is a good thing. By the end of June of every year all of the school buses need to be inspected to meet the requirement for the fiscal year. With the number of school buses inspected June of 2003 being down 13% shows that the C.V.S.I. demonstrated proper time management by completing the task early. This left them time for industry training and conducting compliance reviews. The two Sergeants monitor the daily and weekly activity of each officer. Their diligence of maintaining accountability and the excellent effort by the Trooper made this month a success.*

## **MCI**

*The MCI unit completed its required Commercial check sites this month. The unit made contact with a total of 56 commercial vehicles. While on-site, MCI searched a total of 7 commercial vehicles. Off-site, the MCI unit made only 1 search of a Commercial vehicle. This vehicle was taken to the Bonanza produce Company and was searched. No drugs were found in these commercial vehicles.*

*Trooper Sines stopped a vehicle and through his training and his interview, he got a consent search. His search found 4.5 pounds of Methamphetamine, which has a street value of \$204,300.00.*

*MCI unit attended a 2-hour course on Customs Commercial vehicle interdiction. This training will help in the future with Commercial vehicle interdiction stops.*

## **SIRT**

*This month there was a total of 2 fatalities in the Northern Command area. One fatal was in the Reno area and the other fatal was in the Fernley area.*

*Trooper Stout finished the Hit/Run policy and it was sent to Command. They suggested some changes and the corrections were made and sent back to Command for the final review. Once this policy is signed off, the SIRT will start working on the 32 cold Hit/Run cases.*

*We handled 2 fatalities this past month. In the Northern Command, we are down in the number of total fatalities and in the number of deaths from last year. Last year, at this time, we had 29 fatalities with 37 deaths. Currently, we have had 24 fatalities with 25 deaths.*

## STAFFING AND WORK HOURS

STAFFING	Authorized positions		Current positions staffed		Percentage of authorized	
	June 2003	June 2002	June 2003	June 2002	June 2003	June 2002
Traffic [Tpr. & Sgt.]	66	98	66	100	100%	102%
Commercial [Tpr. & Sgt.]	19	20	12	19	63.2%	95.%
Commercial CVSI	3	3	3	3	100%	100%
WORK HOURS LOST	June 2003		June 2002	% Change	May 2003	% Change
Annual leave	1341.25		1180	13.7%	897.3	49.5%
Compensatory leave	344.5		640	-46.2%	673.5	-48.8%
Sick Leave [personal and family]	755.9		1087	-30.5%	952.8	-20.7%
Military leave	10		0	1000%	190	-94.7%
Holiday off	0		8	-800%	158	-15800%
Training	1033		676.6	52.7%	1704.4	-39.4%
Administrative leave	0		202	-20200%	200	-20000%
Leave without pay	0		0	0%	24	-2400%
Vacancy [173 hours per position*]	1211		173	-800%	0	121100%
<b>Total work hours lost</b>	4695.65		3620.6	29.7%	4800.25	-2.2%
OVERTIME	June 2003		June 2002	% Change	May 2003	% Change
<b>Paid overtime claimed</b>	1174.3		1845.8	-36.4%	1731.8	-32.2%
<b>Compensatory overtime claimed</b>	253		235.4	7.5%	440.3	-42.5%
<b>Total overtime hours</b>	1427.3		2081.2	-31.4%	2172.1	-34.3%
TOTAL HOURS WORKED	June 2003		June 2002	% Change	May 2003	% Change
Number of authorized positions x 173 hours*	15224		20933	-27.3%	16954	-10.3%
Work hours lost	4695.65		3620.6	29.7%	4800.25	-2.2%
Overtime	1427.3		2081.2	-31.4%	2172.1	-34.3%
<b>Total hours worked</b>	11955.65		19393.6	-38.4%	14325.85	-16.6%

\* 173 hours based upon 2080 work hours per year divided by 12 months

Numerical staffing numbers shown above reflect only those Sergeants and Troopers whose primary responsibilities include enforcement activity and crash investigation. Command staff and sworn personnel assigned to full time administrative duties are not included as they have no direct impact on the enforcement or accident reduction efforts.

We continue to operate at a reduced staffing level. This is caused by vacancies, extended sick leave and special assignment in Carson City (Headquarters).

### **Traffic**

Total current traffic staff working the road (Sergeants and Troopers)	<b>66</b>
Reno Urban	32
Carson/Tahoe/Minden	17
Fernley/Fallon District	17

The month of June showed a dramatic increase in the amount of Annual Leave taken by our officers due to the start of the vacation season this increase was 49.5% or 443.7 hours (143.1% in the Reno Urban area). Some of the regions high activity officers were among the officers on leave. An analysis of our staffing and work hours showed that we had a reduction of available officers from 68 to 66. This reduction in conjunction with the increased leave left us with an effective decrease to 63 officers. This is a reduction of 7.4% of our working staff.

### **Commercial**

The available Troopers in the Commercial Section have arranged their schedules to fill in the gaps.

#### **Sergeants 3**

1- reassigned to Headquarters

#### **Troopers 13**

1- Vacant position (Promotion)

1- Extended Sick Leave (Trp. McGrath)

2- Assigned to special Projects (Trp. Rosa HQ, Trp. Stone Dignitary)

1- Back ground investigation ( Trp. W. Brown)

Although our manpower remains around 68%, we increased the available time worked by 17%. All areas of time lost remained consistent. We did have a decrease of overtime of 31%.

### **Northern Command Overtime Breakdown (in hours)**

Crash Investigations	Court	Emergencies	Special Events	Training	Arrests	Federal Projects (MCSAP)	Federal Projects (OTS)	Contract Services
248.2	241.1	5.5	104.68	246.7	103.6	7.8	41.5	107.7

The overtime breakdowns listed above are the major categories of overtime expenditures. Other overtime categories exist but are a small fraction of the total. (Note: these times are through the end of Pay Period 02, July 06, 2003)

## RATIOS – ACCIDENT AND ENFORCEMENT

ACCIDENT RATIOS	June 2003	May 2003	June Adjusted for Manpower Loss
Ratio of crashes per Traffic position			
Total	5.2:1	4.8:1	5.4:1
Property	3.5:1	3.1:1	3.66:1
Injury	1.7:1	1.6:1	1.7:1
Fatal	0.03:1	0.1:1	0.03:1
DUI	0.16:1	0.1:1	0.175:1
Commercial vehicle	0.03:1	0.04:1	0.03:1
Ratio of deaths per fatal crash	1:1	0.7:1	
without seatbelts	0.5:1	0.3:1	
with seatbelts	0.5:1	0:1	

### FIELD ENFORCEMENT

Ratio of enforcement per Traffic position			
DUI arrests from crashes	0.2:1	0.2:1	0.2:1
DUI arrests <i>prior</i> to crashes	1.4:1	2.1:1	1.5:1
Other Arrests	5.9:1	7.3:1	6.2:1
Speed violations	36.3:1	33.2:1	38.1:1
Hazardous moving violations	13.8:1	14.5:1	14.4:1
Occupant restraint violations	5.9:1	9.9:1	6.2:11
Total violations	86.5:1	106.5:1	90.6:1

### Analysis:

*The month of June showed a dramatic increase in the amount of Annual Leave taken by our officers due to the start of the vacation season this increase was 49.5% or 443.7 hours (143.1% in the Reno Urban area). Some of the regions high activity officers were among the officers on leave. An analysis of our staffing and work hours showed that we had a reduction of available officers from 68 to 66. This reduction in conjunction with the increased leave left us with an effective decrease to 63 officers. This is a reduction of 7.4% of our working staff.*

*The ratios have been calculated with the effective manpower that was available as a result of the additional leave taken. They are listed above.*



**RATIOS – ACCIDENT AND ENFORCEMENT *Cont'd*****INSPECTION / ENFORCEMENT RATIOS**

June 2003

May 2003

Ratio of inspections and enforcement per Commercial position

Hazardous moving violations – citations	0.7:1	0.75:1
Other traffic violations – citations	3.4:1	2.4:1
Total safety inspections [all levels]	32.3:1	24.7:1
Terminal inspections TIP	0:1	0.0:1
Total safety violations -- citation *	27.7:1	20.7:1
Average safety violations per inspection -- citation	0.7:1	0.7:1
Total safety violations -- repair order	60.6:1	39.0:1
Average safety violations per inspection -- repair order	1.9:1	1.6:1
Total vehicles placed “Out of Service”	6.7:1	2.7:1
Average vehicles placed OOS per inspection	0.2:1	0.1:1
Total drivers placed “Out of Service”	2.9:1	1.0:1
Average drivers placed OOS per inspection	0.1:1	0.04:1
Total school buses inspected	0.9:1	8.1:1
Total school buses placed “Out of Service”	0.2:1	1.4:1
Total trucks weighed *	41.5:1	35.6:1
Total overweight citations*	2.3:1	1.8:1
Total dyed fuel inspections*	18.3:1	16.1:1
Total dyed fuel citations*	0.1:1	0.0:1

\*Commercial Sworn Only

<b>FY03 Performance Indicators</b>	<b>PROJECTED</b>	<b>ACTUALS June FY 03</b>
Achieve and maintain the goal of response time to highway emergencies; <b>Northern Command</b>	9.48 min	6.38 min.
Provide deterrent effect by consistent visible patrol (on-view patrol, un-obligated time) <b>Urban Northern Command</b>	34%	22%
Provide deterrent effect by consistent visible patrol (on-view patrol, un-obligated time); <b>Rural Northern Command</b>	40%	33%
Increase monthly enforcement of 30 day non-resident registration violations; <b>Statewide</b>	370.25	Not Collected
Lower monthly percentage of crashes involving intoxicated drivers; <b>Northern Command</b>	4.2%	3.2%
Increase the ratio of injury to fatal crashes; <b>Northern Command</b>	26.36 : 1	55.5 : 1
Increase the ration of property damage to injury crashes; <b>Statewide</b>	2.29 : 1	2.08 : 1
Monthly crash rate increase no more than 5% higher than population growth; <b>Statewide</b>	1,141 crash increase annually*	167 crash drop annually*
Ratio of commercial vehicles inspected to the number placed "out of service;" <b>Northern Command</b>	4.22 : 1	4.8 : 1
Ratio of commercial drivers inspected to the number placed "out of service;" <b>Northern Command</b>	6.18 : 1	11.2 : 1
Ratio of number of commercial vehicles weighed to citations issued; <b>Northern Command</b>	70.51 : 1	18.4 : 1
Number of school buses inspected; <b>Northern Command</b>	1052	13
Number of school buses inspected placed "out of service;" <b>Northern Command</b>	N/A	3
Ratio of all crashes to number of crashes involving a commercial vehicle; <b>Statewide</b>	33.25 : 1	172 : 1

*\*The total crashes that occurred last fiscal year from July 2001 through June 2002 were 4,329. The total crashes that have occurred this fiscal year from July 2002 through June 2003 are 4,162. The goal for the crash increase rate is a Monthly crash rate increase no more than 5% higher than population growth. Northern Command had an overall crash rate **decrease** of 167 crashes.*

## **Administration**

*The court warrant officers were consistent in all areas with the exception of warrants cleared by booking, 200 this month compared to 138 in May. This does not reflect on this section, it only indicates that more NHP Warrants are being served. The AAI showed a large increase in Validations, 230 compared to 120 in May. The warrant backlog entry is staying consistent, but no remarkable progress is being made to catch up on the backlog. The second AAI position should be approved in July, which will assist us in catching the backlog up.*

*Evidence & Supply, Dave again showed an increase in the number of items disposed, 98 compared to 64 in May. This trend will ensure that there is room available for new evidence. The number of new cases and items submitted remains consistent. Dave has also prepared the supply order for the coming year, they are in the review and submittal process.*

*Field activity; there were seven misdemeanor arrests this month compared to nine in May, however, there was a 100% increase in citations/violations enforced. Of course this is only 4 pieces of activity from the 2 in May, but it is a start.*

### **Work Hours**

*Administrative Staff, work hours lost for the month of June was up by a total of 43%, the majority of this increase came in the use of Annual leave and Sick leave. This increase in leave was mostly due to the resignation of the front office supervisor, and the exhaustion of her leave balance. The increase in overtime was also due to the aforementioned resignation, and the coverage of job duties required.*

*Sworn, the work hours lost, increased by 8%, annual leave, as predicted, and training were the primary increases. Overtime also increased by 8% over the month of May, this was due to the increase of annual leave in the Court Warrants section, and the coverage that was necessary. Sgt. Osborn, also performed duties of the vacant front office manager that required overtime.*

## **Reno Urban**

### **Projects / Action Plans**

*Aggressive "Bowl Patrol" will continue during commuter times. As always, traffic stops in the bowl area during these times will be discouraged and the Troopers will strive for visibility. As we have been, we will continue to utilize the radar trailer in and around the bowl area and construction zones. If another area shows a rise in crash volume, we will utilize both high visibility and the radar trailer in an effort to reduce the number of crashes we are experiencing.*

*As mentioned earlier we have started to utilize the portable sign board in conjunction with the Directed Enforcement assignments to work areas of known high speed violations. These areas are the Pyramid Highway and the Pleasant Valley areas. This program although new is showing great success and will be monitored for future expansion if it proves successful.*

### **Upcoming Events**

*The Sparks Farmers Market has started up and will continue throughout the summer months. The Market itself is not a problem for this agency. The potential problem is from the large numbers of*

*people who gather in the late evening at the various bars and consume alcohol. Swing and Graveyard shifts are aware of this event and will keep an eye on it.*

*The Operations Plan for “Hot August Nights” is being written and the first meeting with all other agencies involved has been held. The Ops Plan will be distributed when it is complete (due date for completion is July 18<sup>th</sup>).*

*The Operations Plan for “Street Vibrations” is being written and will be distributed when completed (due date for completion is July 31).*

#### ***Fernley / Fallon District***

##### ***Projects / Action Plans***

##### ***Upcoming Events:***

#### ***Carson /Minden District***

##### ***Projects / Action Plans***

##### ***Upcoming Events***

#### ***Commercial Enforcement***

##### ***Projects / Action Plans***

- *Continue monitoring daily activity and goal achievement on at the Trooper Level*
- *Continue strike force activity*

##### ***Upcoming Events***

- *S.C.A.R.E. Program.*

Nevada Highway  
Patrol  
Northern Command

357 Hammill Lane  
Reno, Nevada 89511

PHONE:  
(775) 688-2500

FAX:  
(775) 688-2772

## SUPPLEMENTAL INFORMATION